

From: "Stevens, Greg" <Greg.Stevens@seattle.gov>
Subject: RE: DNS and SEPA Environmental Checklist for Meadowbrook Pond Dredging and Improvements
Date: March 9, 2012 10:52:08 AM PST
To: Bruce Struthers <bruce.struthers@gmail.com>
▶ 2 Attachments, 3.9 MB

Mr. Struthers,

Per your request, please find the attached email from 12/13/11 regarding the results of modeling for Meadowbrook Pond expansion, as referenced in the SEPA checklist. The email is an Outlook File format and has an Excel spreadsheet attachment. Please let me know if you have any problems opening it.

A March 8th email from you to Jalaine Madura of SPU has been forwarded to me. In it, you ask to see project design documents that describe and diagram the physical modifications near the inlet to the high flow bypass pipe. I have attached plan sheets (in one pdf file) relative to that portion of the project improvements.

Plan Sheet 13: This sheet shows in plan-view the changes made to the inlet at the high flow bypass pipe (labeled "Diversion Structure") and the pathways leading up to it.

Plan Sheet 17: This is the same view as sheet 13 but it mostly applies to the construction of the modified pathways.

Plan Sheet 20: This sheet details the improvements to the inlet at the high flow bypass pipe. It includes the new trash/debris rack, new maintenance walkway and new concrete slab.

Plan Sheet 21: This sheet details the structural components of the new walkway, handrails and attachment details for the trash rack.

The planned changes at the inlet to the high flow bypass pipe are designed to improve maintenance access to the structure and provide a safer means for SPU crews to maintain the structure. We do not anticipate changing the hydraulic performance of the structure in any way.

You should also be receiving a paper copy of the DNS and environmental checklist today or tomorrow.

Please let me know if you have further questions.

Sincerely,

Greg Stevens, P.E.
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From: Bruce Struthers [mailto:bruce.struthers@gmail.com]
Sent: Thursday, March 08, 2012 1:35 PM
To: Stevens, Greg
Subject: Re: DNS and SEPA Environmental Checklist for Meadowbrook Pond Dredging and Improvements

Dear Mr. Stevens,

May I have a copy of the December 13, 2011 electronic mail message from Dave Jacobs to you, referring to the results of modeling for Meadowbrook Pond expansion? This document was referred to in the SEPA checklist that you just published (thanks again for that).

Regards,

Bruce Struthers

On Thu, Mar 8, 2012 at 1:25 PM, Stevens, Greg <Greg.Stevens@seattle.gov> wrote:
Please find the attached Meadowbrook Pond Dredging and Improvements DNS and SEPA Environmental Checklist. If you have any questions, please contact Greg Stevens at [206-615-1451](tel:206-615-1451) or greg.stevens@seattle.gov

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From: "Jacobs, Dave" <Dave.Jacobs@seattle.gov>
Date: December 13, 2011 1:48:35 PM PST
To: "Stevens, Greg" <Greg.Stevens@seattle.gov>, "Lo, Masako" <Masako.Lo@seattle.gov>
Subject: **MB Expansion Results**

Hi Greg and Masako,

Attached is a spreadsheet for the Meadowbrook pond analysis. The only change to the existing model was the expansion of the pond.

- There is no noticeable change in the performance of the bypass line in the 25 year storm event.
- For the 100 year storm event there is no change in peak surcharge levels of the bypass line, however the duration of the peak surcharge is extended by about 3 minutes. This is seen in the bypass line all the way to the outfall to the lake.

Let me know if you have any questions or concerns. Also, let me know what else you may need to wrap this effort up.

-Dave

Dave Jacobs, Jr., P.E.

Separated Systems Modeling and Monitoring Lead

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[ExpansionCo...xlsx \(2.2 MB\)](#)